



## 25970-Review

BY EMMANUEL AKINTOYE

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**Name of Journal:** *World Journal of Gastrointestinal Endoscopy*

**ESPS Manuscript NO:** 25970

**Manuscript Type:** Meta-Analysis

**2**  
**Endoscopic submucosal dissection of gastric tumors: A systematic review and meta-analysis**

**Emmanuel Akintoye, Itegbemie Obaitan, Arunkumar Muthusamy, Olalekan Akanbi, Mayowa Olusunmade, Diane Levine**

**Abstract**

**AIM:** To systematically review the medical literature in order to evaluate the safety and efficacy of gastric ESD.

**METHODS:** We performed a comprehensive literature search of MEDLINE, Ovid, CINAHL, and Cochrane for studies reporting on the clinical efficacy and safety profile of gastric ESD.

**RESULTS:** 29506 tumors in 27155 patients (31% female) who underwent gastric ESD between 1999 and 2014 were included in this study. R0 resection rate was 90% (95% CI, 87-92%) with significant between-study heterogeneity ( $p<0.001$ ) which was partly explained by difference in region ( $p=0.02$ ) and sample size ( $p=0.04$ ). Endoscopic en bloc and curative resection rates were 94% (95% CI, 93-96%) and 86% (95% CI, 83-89%) respectively. The rate of immediate and delayed perforation rates were 2.7% (95% CI,

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